

CLAIMS

1. Polyamide composition comprising a polyamide and a black polyaniline derivative, characterized in that the composition further comprises at least a
5 branching agent having functional groups that can react with functional groups on the polyamide, and carbon black.
2. Polyamide composition according to claim 1, wherein the composition is based on a branching agent comprising functional groups chosen from the group of carboxylic acid and carboxylic acid anhydrides, or derivatives thereof,
10 and epoxies.
3. Polyamide composition according to claim 3, wherein the branching agent is a copolymer of at least an unsaturated dicarboxylic acid or a derivative thereof and a vinylaromatic monomer.
4. Polyamide composition according to claim 1, wherein the branching agent is
15 present in an amount of 0.1 to 5 weight %, carbon black in an amount of 0.1 to 1 weight % and the black polyaniline derivative in an amount of 0.1 to 1 weight %, with the weight % relative to the amount of polyamide.
5. Polyamide composition according to claim 1, wherein the black polyaniline derivative is nigrosine.
- 20 6. Polyamide composition according to claim 1, wherein the composition is based on a polyamide having a relative viscosity of at least 2.3 and/or end group concentration of more than 20 meq/g.
7. Polyamide composition according to claim 1, wherein the composition comprises at least one additive chosen from the group of reinforcement
25 agents, fillers, flame retardants, stabilizers, processing aids.
8. Process for preparing a polyamide composition comprising melt-mixing of components comprising a polyamide and a polyaniline, characterized in that the components further comprise at least a branching agent and carbon black.
9. Use of a polyamide composition according to any of claims 1-7 or obtainable
30 by the process according to claim 8 for the manufacturing of a molded part by means of an injection molding or extrusion technique.
10. Molded part prepared from a composition according to any of claims 1-7 or obtainable by the process of claim 8.
11. Process for preparing an assembled product in which at least two parts are
35 bonded together by means of a welding technique, characterized in that at

least one of the parts substantially consists, at least at the location of a surface to be welded, of a polyamide composition according to any of claims 1-7 or obtainable by the process of claim 8.

12. Assembled product comprising a molded part according to claim 10.
- 5 13. Assembled product according to claim 12, comprising at least two parts being bonded together by means of a welding technique, at least one of these parts being a part according to claim 10.